SECTION 01010

SUMMARY OF WORK

PART 1 GENERAL

1.1 SCOPE OF WORK

The work covered under this specification includes constructing utility trenches, running cable, ~~providing power service~~ **connecting power to existing FAA-owned transformer**, constructing access road and pad, constructing RVR rack foundation, constructing distribution rack pad and foundation, and installing distribution rack to support the future installation of a Rollout RVR for Runway 7.

The contractor is required to furnish all labor, materials (except Government furnished), services, equipment, insurance, bonds, security notifications, licenses, permits, and fees in accordance with applicable federal, state and local regulatory requirements to complete the specified work. Any miscellaneous labor, equipment and/or materials not specifically detailed or specified, but required to complete the project, shall be provided as an integral part of the work.

The dimensions, measurements, and quantity of materials listed in this specification and on the construction drawings are estimated and are presented to give the contractor an idea of the total scope of work. The contractor is responsible for assuring that the bid reflects all work required to accomplish this project.

The following items are a brief summary of the project and are provided solely for the purpose of revealing the general nature of the work involved. The Contractor is responsible for accomplishing all items of work in accordance with the applicable drawings, specifications and provisions of the contract. Any additional labor, materials, equipment, and/or appurtenances not specifically detailed or specified, but required to complete the project, shall be provided by the Contractor as an integral part of the scope of work specified.

1.1.1 RVR Rack Foundation, Pad And Access Road

Contractor shall construct the RVR rack foundation, pad and access road as indicated on the construction drawings. Work includes: construction/installation of the rack foundation, grounding system, and access road and pad (including geotextile fabric, insulation board, subbase, surface course, and seeding of side slopes).

1.1.2 Distribution Rack, Foundation, and Pad

Contractor shall construct the distribution rack, foundation, and pad as indicated on the construction drawings. Work includes: construction/installation of the rack foundation, the distribution rack, grounding system, and pad (including geotextile fabric, insulation board, subbase, surface course, and seeding of side slopes).

1.1.3 Installation of Power and Control for the RVR

Contractor install/construct power and control for the RVR as indicated on the construction drawings. Work includes: construction of the dry utility trenches (including pullboxes, conduits, guard wire, ground rods, fill, warning tape and other materials as required), installation of cable, disconnect, step down transformer, and ~~coordinating with BUECI to provide power service (907-852-6166)~~ **connecting power to existing FAA-owned transformer**.

1.2 REFERENCES

Airport Ground Vehicle Operations Guide
available from: http://www.asy.faa.gov/safety_products/airportground/AGVO-guide.doc

1.3 DRAWINGS

Callouts on the construction drawings indicate work to be done under this contract unless specifically noted "installed by others" or "existing". Callouts indicating work to be done do not always include the word "install".

1.3.1 Construction Drawings Provided

Drawings applicable to this project are listed below. The written scale (e.g. 1"=100') is only valid for FAA "D - size" drawings (22"x34") and may be slightly off due to variations in printing. On reduced size drawings, the bar scales (where shown) and written dimensions remain valid.

1.3.2 As-Built Drawings

The contractor shall provide three complete sets of As-Built drawings to the FAA Project Engineer at the end of the project. The following color codes shall be used:

Green - to indicated new or changed information
Red - to indicated deletions
Blue - to indicate notes to the draftsman

Any additional diagrams and/or schematics that would be helpful for the maintenance of the facility should also be included.

1.4 SUBMITTALS

1.4.1 Material

The contractor shall submit for approval; catalog data, cut-sheets, samples, and any other relevant information on the contractor furnished material to be used on this project. One copy of the

submittal package shall be given to the FAA Project Engineer for approval. Submittals on materials shall include, but are not limited to:

- GRMC conduit
- HDPE conduit
- Geotextile fabric
- Insulation board
- Embankment fill material
- Contractor furnished hardware
- Contractor furnished electrical fittings and components
- Contractor furnished cable and wire
- Labels
- Anti-rust product for threaded hardware
- Additional items deemed necessary by the Project Engineer.
- Pull Boxes

The contractor shall provide submittals for review for the following electrical items:

A. Disconnect switches	Product data sheet
B. Fuses	Product data sheet
C. Time current curves of fuses	Product data sheet
D. Conduits & fittings	Product data sheet
E. Power conductors	Product data sheet
F. Step-down transformers	Product data sheet

1.4.2 Schedule

Prior to start, the contractor shall submit a schedule and work plan to the Project Engineer for approval. See section 3.1.2 for the maximum time allowed to complete this project. The schedule shall show start dates, duration, and finish dates for each work activity. Activities shall include, but are not limited to:

- Site layout
- Construction of RVR pad and access road
- Construction of RVR rack foundation
- Construction of distribution rack, foundation, and pad
- ~~Installation of new power service~~ **Connection of power to existing FAA-owned transformer**
- Construction of utility trenches
- Installation of power and control cable
- Inspection and cleanup

The FAA reserves the right to modify the contractor's sequence of activities in the interest of facility operation and airport safety.

1.4.3 Schedule of Values

The contractor's proposal shall include a schedule of values, showing at a minimum, a breakdown of cost for each work activity listed in the work schedule / below. Cost for each item should include any profit and overhead.

• Site layout	**$ . .**
• Construction of RVR rack, foundation, pad and access road	**$ . .**
• Construction of distribution rack, foundation, and pad	**$ . .**
• ~~Installation of new power service~~	**$ . .**
• **Connection of power to existing FAA-owned transformer**	**$ . .**
• Construction of utility trenches	**$ . .**
• Installation of power and control cable	**$ . .**
• Inspection and cleanup	**$ . .**
TOTAL PROJECT COST	**$ . .**

1.4.4 Safety Plan

The contractor shall submit a safety plan per paragraph 3.4.2.6 of this section.

1.4.5 Work Plan

The contractor shall submit a work plan per paragraph 3.4.5 of this section.

1.4.6 Testing

The contractor shall complete, at his own expense, all testing as required by these specifications. The results shall be submitted to the FAA Project Engineer. Required testing includes, but is not limited to, the following:

- Cable insulation resistance test (see FAA-C-1217f, 5.3.4)
- Earth resistance test (see FAA-C-1217f, 5.3.6)
- Soil Compaction Testing (performed by an independent testing company)

PART 2 PRODUCTS

Reference herein or in the construction drawings to any specific commercial product, process, or service, any trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the Federal Aviation Administration. The contractor may submit a request for substitution of a product, process, or service specifically called out. Such request shall be through the submittal process.

2.1 GOVERNMENT FURNISHED MATERIAL

No GFM shall be supplied under this contract.